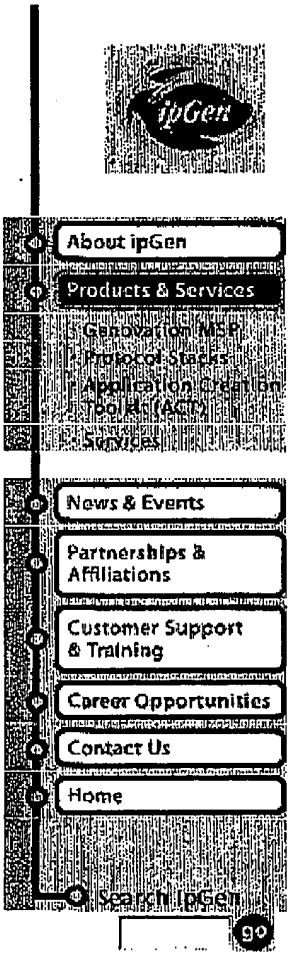
Exhibit A



MEGACO

MEGACO was developed by the ITU-T SG16 and IETF WG MEGACO and defines the control protocol between the media gateway controller (call agent) and the media gateway. The protocol provides:

- Control for various types of terminations
- Support for negotiation of call capabilities
- Multi user call scenarios
- Rich termination dynamics
- Quality of Service (QoS)and traffic measurement support
- Error reporting on protocol, call, capability and network failures

Protocol Stacks

MEGACO

MGCP

SIGTRAN

SIP

Document Downloads

Integration of ipGen's MEGACO protocol stack in each customer's product will enable inter-operability with media gateways and media gateway controllers utilizing the MEGACO protocol. ipGen's stack has a well defined and feature rich Application Program Interface (API) to the call control layer of Media Gateways and Media Gateway Controllers. This API enables rapid integration in each product and timely network deployment. ipGen also offers integration and customization services to assist integrating the protocol stack into each customer's product.

ipGen's MEGACO Stack Benefits

- Scalability of system resources and performance limits with configurability of system stack parameters
- Separate compilations for Media Gateway and Media Gateway Controller stacks so that high code

efficiency is achieved
- A small code footprint for Media Gateways
- Supported on multiple OS platforms including Solaris, Linux, Lynx, and Windows NT
- Well defined API to interface with the Call /Connection Control layer
- Sophisticated Application Layer Framing
  - Both TCP and UDP supported
  - Re-transmission of transaction requests and responses
  - Three way handshake supported
  - Dynamic calculation and adjustment of response times to avoid network congestion
  - Provisionable response timer
- Robust design
  - Zero buffering of payload within the stack to achieve high performance
  - Reentrant and multi-thread safe API design
  - Logically separated OS Layer to ensure easy portability to different operating systems
  - Minimal inter-functional block communication (minimal IPC overheads)
  - Efficient timer management and highly efficient memory management
- Comprehensive debugging support
  - Multi-level Trace support and configurable History buffer recording
  - TMM data collection tuned to SNMP MIB
  - Error log for both asynchronous and transaction related errors
- Interim AH security support
- Dynamic registration/de-registration of destinations
- Fault tolerance Support
  - Mate health monitoring
  - Fail-over mechanisms
  - Equalization
  - Application configurability for active change
- Availability of automated testing tools to test stack functionality